

IAP Cover Sheet

Version Name: Period 7

Incident Name: 2018 Superior Refinery Fire

Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]

Approved By

Incident Commander: Long, David



Incident Action Plan

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Incident Name: 2018 Superior Refinery Fire
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Period: Period 7 [05/09/18 06:00 - 05/11/18 06:00]
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Weather Report				Version Name: 20180508_1600	
Incident Name: 2018 Superior Refinery Fire				Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Present Conditions					
Weather Conditions as of 05/08/2018 15:18					
superior, wi us station id: MID_KSUW					
Humidity (%): 86 Wind Speed: 18 - 24 mph Wind Direction (from): NE Temperature: 39 Fahrenheit Visibility: 10 mile(s)			Pressure: 30.09 psi Dew Point: 35 Feels Like: 30 UV Index:		
This Afternoon: Showers likely. Cloudy, with a steady temperature around 43. Breezy, with a northeast wind around 20 mph, with gusts as high as 24 mph. Chance of precipitation is 70%.					
Forecast Date	Wind	Temp High/Low	% Precip	Sunrise/Sunset	Notes
Tue 05/08/2018	15 - 20 mph ENE	39 F	70		Tonight: Showers likely. Cloudy, with a low around 39. Breezy, with a northeast wind 15 to 20 mph, with gusts as high as 30 mph. Chance of precipitation is 70%.
Wed 05/09/2018	5-10 mph ENE	51 F	70		Showers likely, mainly before 1pm. Cloudy, with a high near 51. Northeast wind 5 to 10 mph becoming northwest in the afternoon. Chance of precipitation is 70%.
	5-10 mph NW	38 F	9		Partly cloudy, with a low around 38. Northwest wind 5 to 10 mph, with gusts as high as 15 mph.
Thu 05/10/2018	5-10 mph NNE	55 F	10		Sunny, with a high near 55. North wind 5 to 10 mph.
	6 mph NE	34 F	20		A 20 percent chance of showers after 1am. Mostly cloudy, with a low around 34.
Fri 05/11/2018	11 mph E	44 F	45		A chance of showers, mainly before 1pm. Mostly cloudy, with a high near 44.
	11 mph E	34 F	35		A slight chance of showers. Mostly cloudy, with a low around 34.
Tides					
Weather Report				Prepared By Situation Unit, Updated 05/08/2018 15:29 UTC -6:00 PP	
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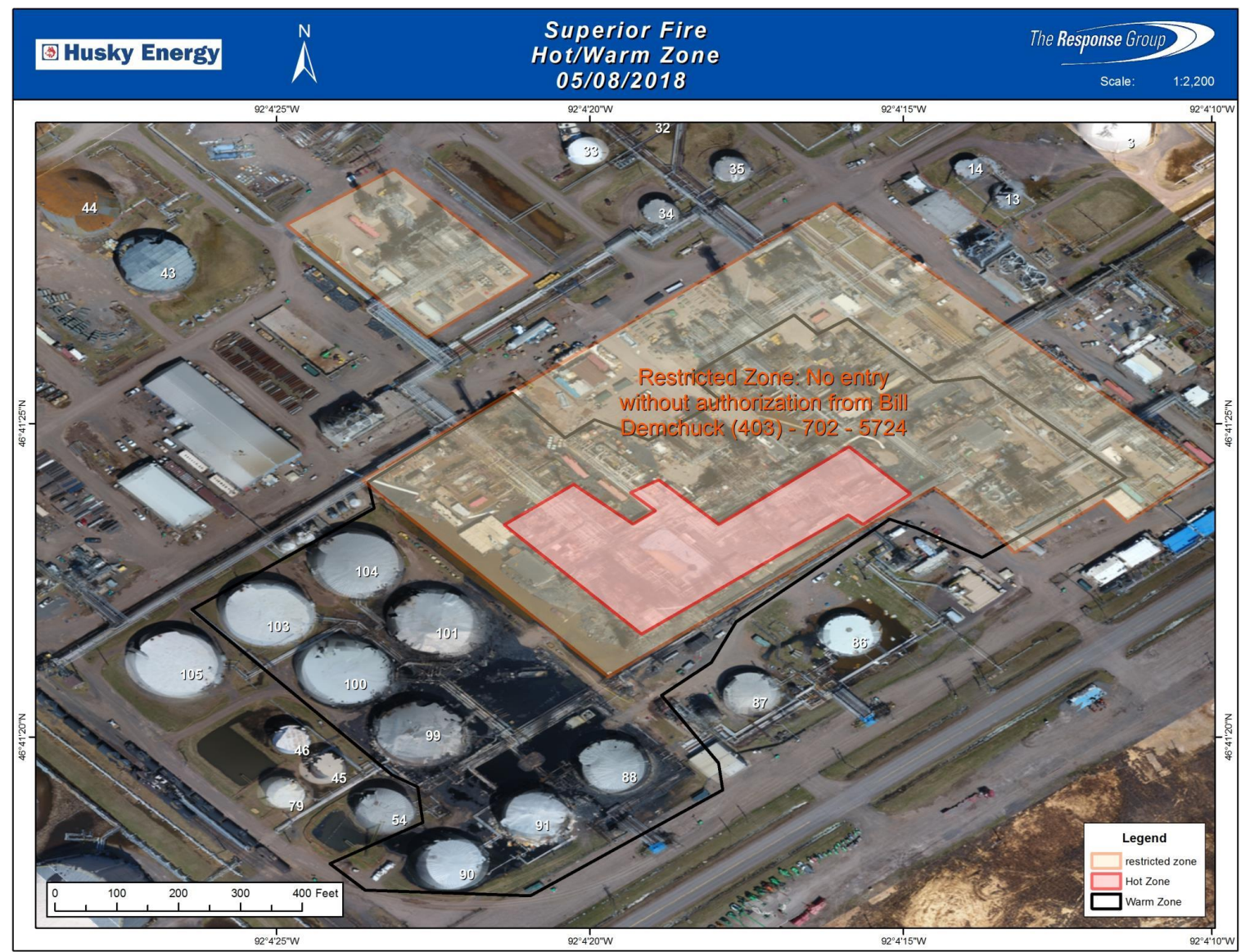
Incident Map/Sketch

20180508_MapforCrane.jpg



Incident Map/Sketch

20180508_Restrictedzone.jpg



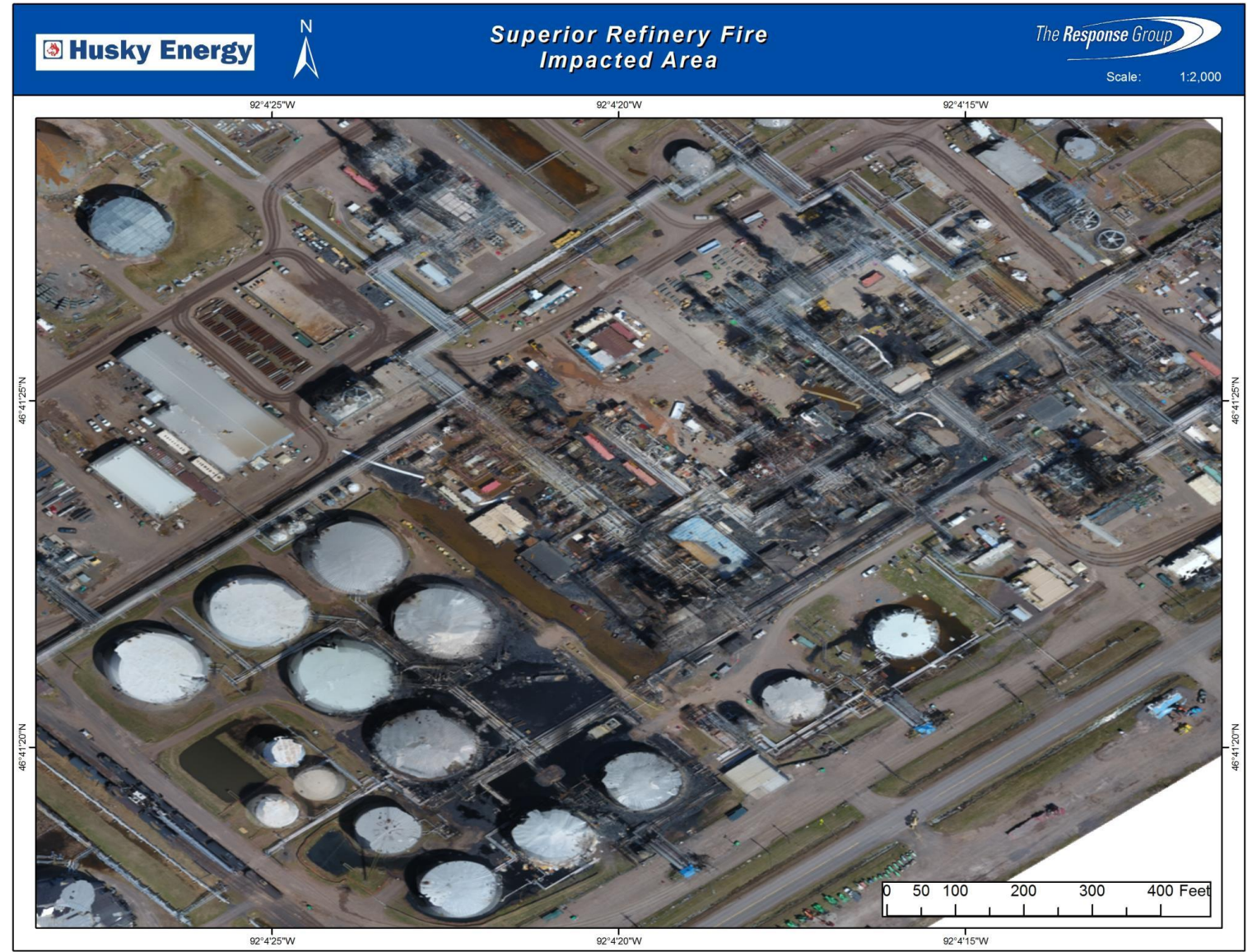
Incident Map/Sketch

20180507ProcoessingPlantDronelImage.jpg



Incident Map/Sketch

20180507_ImpactedArea.jpg



ICS 202b - Critical Information Requirements		Version Name: Period 7	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
<h2>Incident Command - Critical Threshold Reporting Criteria</h2> <p>** If any of these conditions are met, Incident Commander must be notified immediately **</p> <ul style="list-style-type: none">• Injury or Death (OSHA/1st Aid or greater through Safety Officer)• Significant change of status of site conditions• Public health impacts• Impacted sensitive areas beyond protection/Any change to trajectories• Loss of major tactical resources• Unplanned VIP visits en-route/planning/arriving• Adverse protest plans or interview requests• Adverse political/influence• Loss or breach of containment• Any breach in safety/investigation zone• Special requests from agencies• Any changes to respiratory requirements (eg: SCBA)• Any evidence wildlife impact• Any exceedance of an air monitoring action level			
ICS 202b - Critical Information Requirements		Prepared By Long, David, Updated 05/07/2018 14:13 UTC -6:00 PP	
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ICS 204 - Assignment List			Task Force: Flare Inerting Task Force		
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]		
Operations Personnel					
Position	Name	Affiliation	Contact Number(s)	Work Shift	
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161		
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594		
Stabilization Group Supervisor	Thom, Tim	Husky Energy Inc.	715-817-8016		
Flare Inerting Task Force Leader	Campbell, Adam	Husky Energy Inc.	218-491-4920		
Resources Required					
Area Of Operation	Resource Kind	Description	Quantity	Size	
Flare Inerting Task Force	Manpower: Responder	Day Shift Responders	2		
Flare Inerting Task Force	Miscellaneous	Nitrogen Bottles	43		
Flare Inerting Task Force	Miscellaneous	TMVU	1		
Assignments					
Continue efforts to identify flare mechanical integrity weaknesses. Including piping, knockout vessels and flare.					
Continue nitrogen blanketing and inerting of flare header.					
Communications					
Name / Function		Contact Details			
ERT Channel		8			
Channel 1 Talk Around		11			
Primary		1			
Secondary		2			
Radio		3 to 7			
Special Environmental Considerations					
<p>Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately. Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p>					
<div>ICS 204 - Assignment List</div> <div> <div>INCIDENT ACTION PLAN SOFTWARE™</div> <div>Printed 05/08/2018 16:35 UTC -6:00</div> </div> <div> <div>Page 10 of 59</div> <div>Updated 05/07/2018 17:07 UTC -6:00</div> </div> <div>© TRG</div>					

ICS 204 - Assignment List		Task Force: Flare Inerting Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
<p align="center">Special Site-Specific Safety Considerations</p> <p>If in Hot Zone, follow Hot Zone entry procedures.</p> <p>If in Warm or Cold Zone, refinery PPE must be worn.</p> <p>Hazard assessment must be done to plan safe work.</p> <p>Be cognizant of the hazards of the products in the Flare, as well as nitrogen, fire, pyrophorics and similar hazards.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p> <p>Be aware of the potential for severe weather. The Shift Foreman will make an announcement if there are special precautions or if there is a need to take shelter.</p>			
<p align="center">Additional Information</p> <p>If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221</p>			
<div></div>			
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ICS 204 - Assignment List			Task Force: De-Inventory Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Stabilization Group Supervisor	Thom, Tim	Husky Energy Inc.	715-817-8016	
De-Inventory Task Force	Laszewski, Aaron	Husky Energy Inc.	920-883-1992	
De-Inventory Task Force	Ivanca, Erin	Husky Energy Inc.	651-592-6339	
De-Inventory Task Force	Witherill, Troy	Husky Energy Inc.	218-522-0114	
De-Inventory Task Force	Campbell, Adam	Husky Energy Inc.	218-491-4920	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
De-Inventory Task Force	Manpower: Responder	Day Shift Responders	5	
De-Inventory Task Force	Manpower: Responder	Engineer	4	
De-Inventory Task Force	Manpower: Responder	Project Manager	2	
De-Inventory Task Force	Manpower: Responder	Project Control	1	
De-Inventory Task Force	Foreman	Foreman	2	
De-Inventory Task Force	Equipment: Safety	VCU	2	
Assignments				
<p>De-inventory the Benzout unit as per approved plan.</p> <p>Continue to develop the hydrocarbon de-inventory plans for priority assets:</p> <ul style="list-style-type: none"> - FCC area (Gascon, FCC, cat gas hydrotreater) - Crude area (Crude towers, hydrotreaters) <p>SRS/Evergreen to assist with plan development</p> <p>**No operations until final approvals and permitting have been completed**</p> <p>Hydrocarbon de-inventory plan for each unit will be approved by the following:</p> <ul style="list-style-type: none"> - Incident Commander - Operations Section Chief - Planning Section Chief - Environmental Unit Leader - Safety Officer - Lead Investigator 				
Communications				
Name / Function		Contact Details		
ERT Channel		8		
Channel 1 Talk Around		11		
Primary		1		
Secondary		2		
Radio		3 to 7		
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ICS 204 - Assignment List		Task Force: De-Inventory Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Special Environmental Considerations			
<p>Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Prior to commencing de-inventory activities, notify GHD so task specific monitoring can commence to verify site and public safety. Once de-inventory events commence, notification of any venting/release of vapor/liquid hydrocarbon to the environment shall be made to the GHD air monitoring group immediately for consideration in air monitoring.</p> <p>Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p>			
Special Site-Specific Safety Considerations			
<p>If in Hot Zone, follow Hot Zone entry procedures.</p> <p>If in Warm or Cold Zone, refinery PPE must be worn.</p> <p>Ensure that air monitoring, including 4-Gas and product specific (Benzene, Hydrogen Sulfide, etc.) is done during the de-inventory process.</p> <p>Hazard assessment must be done to plan safe work.</p> <p>Be cognizant of the hazards of the hazards of Nitrogen, unit contents including Benzene, H2S, petroleum products, etc.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p>			
Additional Information			
<p>If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221</p>			
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ICS 204 - Assignment List			Task Force: Reactor Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Stabilization Group Supervisor	Thom, Tim	Husky Energy Inc.	715-817-8016	
Reactor Task Force Leader	Witherill, Troy	Husky Energy Inc.	218-522-0114	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Reactor Task Force	Manpower: Responder	Day Shift Responders	3	
Reactor Task Force	Manpower: Responder	Night Shift Responders	2	
Reactor Task Force	Miscellaneous	Nitrogen Bottles	7	
Assignments				
Maintain and document ongoing nitrogen blanket and inerting. 24hr operations. Report any loss of nitrogen blanket immediately to the Reactor Task Force Leader.				
Communications				
Name / Function		Contact Details		
ERT Channel		8		
Channel 1 Talk Around		11		
Primary		1		
Secondary		2		
Radio		3 to 7		
Special Environmental Considerations				
<p>Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p> <p>Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p>				
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ICS 204 - Assignment List		Task Force: Reactor Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
<i>Special Site-Specific Safety Considerations</i>			
<p>If in Hot Zone, follow Hot Zone entry procedures.</p> <p>If in Warm or Cold Zone, refinery PPE must be worn.</p> <p>Hazard assessment must be done to plan safe work.</p> <p>Be cognizant of the hazards of the product in reactor as well as nitrogen, fire and similar hazards.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p> <p>Be aware of the potential for severe weather. The Shift Foreman will make an announcement if there are special precautions or if there is a need to take shelter.</p>			
<i>Additional Information</i>			
<p>If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221</p>			
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ICS 204 - Assignment List			Task Force: Chemical Removal Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Stabilization Group Supervisor	Thom, Tim	Husky Energy Inc.	715-817-8016	
Chemical Removal Task Force Leader	McCusker, Brian	Husky Energy Inc.	218-348-9769	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Chemical Removal Task Force	Manpower: Responder	Day Shift Responders	4	
Chemical Removal Task Force	Manpower: Responder	Night Shift Responders	1	
Assignments				
<p>Operations will:</p> <ul style="list-style-type: none"> - Continue HF air monitoring - Maintain deluge system - Inventory chemical totes on-site <p>**No additional operations until final approvals have been received**</p> <p>Four (4) options continue to be developed in parallel by HF Alkylation Consultants and SPSI in order to evaluate and mitigate risk:</p> <ol style="list-style-type: none"> 1) Neutralize on-site 2) Transfer to an off-site facility 3) Retain on-site with safeguards in place 4) Other safe management alternatives <p>Ammonia Removal Plan to be developed by Wenck & SRS/NRC</p>				
Communications				
Name / Function		Contact Details		
ERT Channel		8		
Channel 1 Talk Around		11		
Primary		1		
Secondary		2		
Radio		3 to 7		
Special Environmental Considerations				
<p>All precautions should be taken to minimize release of any chemical to the environment. If chemical is released the environmental unit leader shall be notified immediately. Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly. Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p>				
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ICS 204 - Assignment List		Task Force: Chemical Removal Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
<i>Special Site-Specific Safety Considerations</i>			
<p>If in Hot Zone, follow Hot Zone entry procedures.</p> <p>In Alky Unit, fixed HF air monitors do not currently work. Rely on personal HF monitors and area monitors for determination of HF within the air.</p> <p>In Alky Unit, fixed water cannons are not operational. If there is a potential for a leak of HF Acid, stage water nozzles and verify antique coverage of water spray to mitigate a release.</p> <p>If in Warm or Cold Zone, refinery PPE must be worn except where HF Akly Gear is required and that must be worn.</p> <p>Hazard assessment must be done to plan safe work.</p> <p>Be cognizant of the hazards of the products being handled including hydrofluoric acid and other hazards of the Alkylation Unit.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>			
<i>Additional Information</i>			
<p>If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221</p>			
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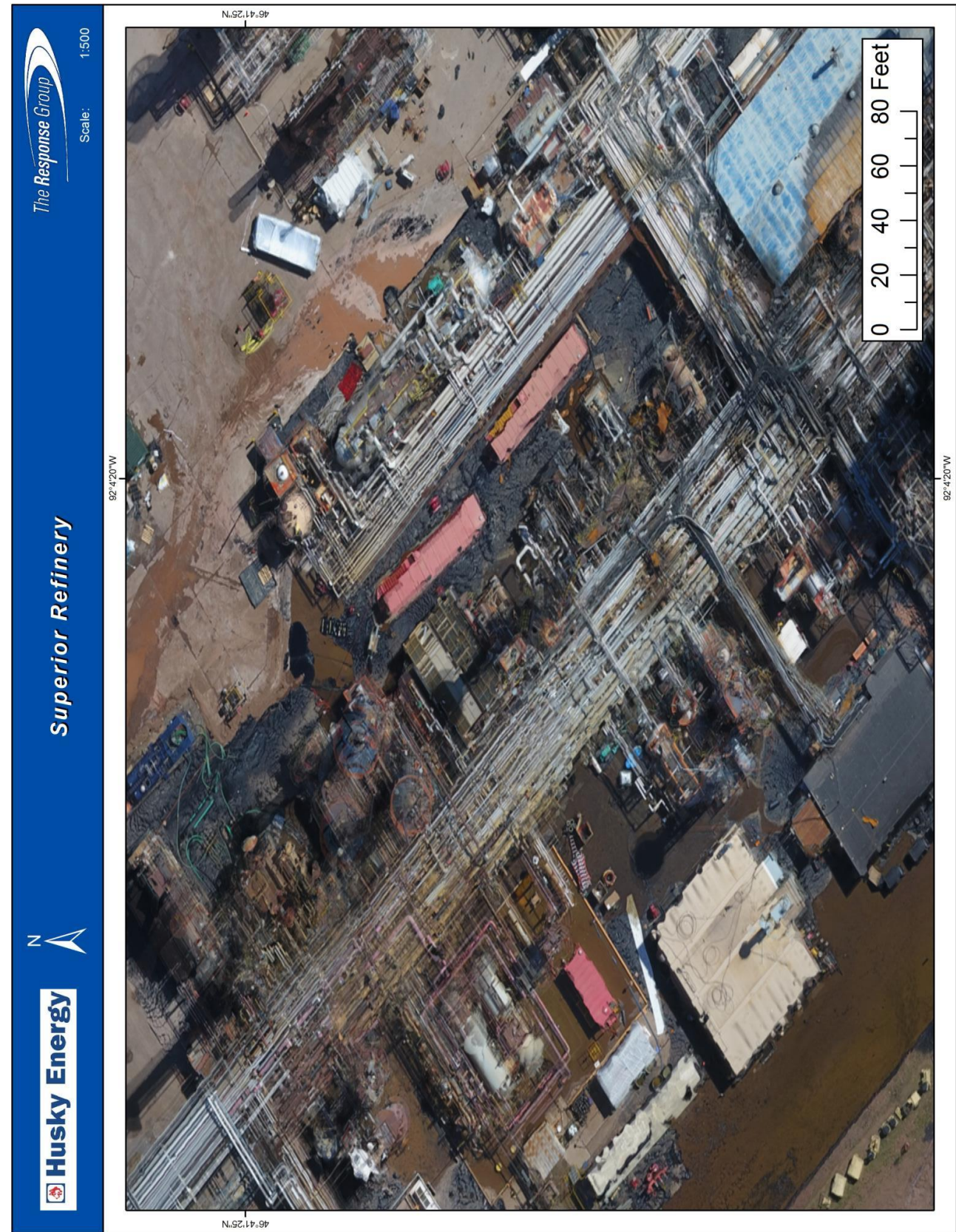
ICS 204 - Assignment List			Task Force: Energy Restoration Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Mechanical Group Supervisor	Rikkola, Ken	Husky Energy Inc.	218-343-9538	
Energy Restoration Task Force Leader	Carlson, Brad	Husky Energy Inc.	218-390-5182	
Energy Restoration Task Force Leader	Massie, Nik	Husky Energy Inc.	715-817-1209	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Energy Restoration Task Force	Manpower: Responder	Electricians	4	
Energy Restoration Task Force	Supervisor	Supervisor	2	
Assignments				
<p>1) Lockout DCS in "O" building and "T" building (Baker Risk/CSB)</p> <p>2) Submit plan for energizing the following areas:</p> <ul style="list-style-type: none"> - Ops locker room - New crude control room - "O" building - Oil movements control room (Change house) <p>3) Submit plan to disconnect high voltage to hot zone</p> <p>Plans to be approved through normal refinery MOC process, Operations Section Chief and Incident Investigation Team (Shane Strang)</p>				
Communications				
Name / Function		Contact Details		
ERT Channel		8		
Channel 1 Talk Around		11		
Primary		1		
Secondary		2		
Radio		3 to 7		
Special Environmental Considerations				
<p>Considerations of potential hydrocarbon release should be made prior to energizing hydrocarbon containing equipment or their control system in order to minimize the release of hydrocarbons.</p> <p>Prior to energizing any CEM buildings all building analyzers and sampling equipment shall be turned off.Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p>				
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ICS 204 - Assignment List		Task Force: Energy Restoration Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
<i>Special Site-Specific Safety Considerations</i>			
<p>If in Hot Zone, follow Hot Zone entry procedures discussed in previous section.</p> <p>If in Warm or Cold Zone, refinery PPE must be worn.</p> <p>Hazard assessment must be done to plan safe work.</p> <p>Follow Refinery Electrical Safety and Lockout Tagout programs.</p> <p>Be aware of your surroundings. There may be large equipment and overhead work in your area.</p> <p>Be cognizant of downed power lines, overhead hazards and potential for unintentional energization of electrical equipment.</p> <p>Wear PPE appropriate to the potential electrical energy.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or a Wisconsin Licensed Asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>			
<i>Additional Information</i>			
<p>If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221</p>			
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ICS 204 - Assignment List			Task Force: Waste Water Treatment Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Mechanical Group Supervisor	Rikkola, Ken	Husky Energy Inc.	218-343-9538	
Waste Water Treatment Task Force Leader	Amato, Joe	Husky Energy Inc.	715-969-7724	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Waste Water Treatment Task Force	Manpower: Operator	WCS Operator	2	
Waste Water Treatment Task Force	Manpower: Operator	WWTP Operator	2	
Assignments				
Continue circulation of waste water treatment plant				
Special Environmental Considerations				
<p>All WWTP permit limits will need to be achieved prior to discharge of any water off-site. Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p>				
Special Site-Specific Safety Considerations				
<p>Hydrogen Sulfide may be higher than normal due to water not being processed.</p> <p>Water on ground will make the work area slippery.</p> <p>Potential for sludge cleanup. Wear refinery chemical gear.</p> <p>Wear hearing protection in the nonoffice areas of WWTP.</p> <p>Follow Husky Superior Electrical Safety SPI (procedure) for all electrical work.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>				
Additional Information				
If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221				
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ICS 204 - Assignment List			Task Force: Asset Stabilization Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Mechanical Group Supervisor	Rikkola, Ken	Husky Energy Inc.	218-343-9538	
Asset Stabilization Task Force Leader	Rikkola, Ken	Husky Energy Inc.	218-343-9538	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Asset Stabilization Task Force	Manpower: Responder	Day Shift Responders	4	
Asset Stabilization Task Force	Manpower: Responder	Additional Contractors	6	
Asset Stabilization Task Force	Manpower: Operator	Manpower: Operator	2	
Asset Stabilization Task Force	Equipment: Heavy	Telehandler	1	
Asset Stabilization Task Force	Front-end loader	Front-end loader	1	
Assignments				
<p>Primary asset of concern for asset stabilization: Stripper tower (15G-V10)</p> <p>Actions for stripper tower stabilization:</p> <ul style="list-style-type: none"> - Operations to define process lines. <p>Finalize the Lifting and Stabilization Plan of Stripper Tower (15G-V10) to be reviewed and approved by:</p> <ul style="list-style-type: none"> - Operations Section Chief - Planning Section Chief - Safety Officer - Incident Commander <p>Continue identifying other assets of concern including building integrity issues.</p>				
Communications				
Name / Function		Contact Details		
ERT Channel		8		
Channel 1 Talk Around		11		
Primary		1		
Secondary		2		
Radio		3 to 7		
Special Environmental Considerations				
<p>Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Once stabilization events commence, notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p>				
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ICS 204 - Assignment List		Task Force: Asset Stabilization Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
<i>Special Site-Specific Safety Considerations</i>			
<p>All contractors must be preapproved by Refinery Safety Department.</p> <p>If in Hot Zone, follow Hot Zone entry procedures discussed in previous section.</p> <p>If in Warm or Cold Zone, refinery PPE must be worn.</p> <p>Hazard assessment must be done to plan safe work.</p> <p>Be cognizant of the hazards of the product in the vessel, fire and similar hazards.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request lighth plants and other larger lighting.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>			
<i>Additional Information</i>			
<p>If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221</p>			
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ICS 204 - Assignment List			Task Force: Asphalt Removal Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Mechanical Group Supervisor	Rikkola, Ken	Husky Energy Inc.	218-343-9538	
Asphalt Removal Task Force Leader	Stokes, Dave	Stack Brothers Mechanical	218-221-6427	
Asphalt Removal Task Force Leader	Linge, Jeremy	Husky Energy Inc.		
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Asphalt Removal Task Force	Manpower: Responder	Day Shift Responders	1	
Asphalt Removal Task Force	Manpower: Operator	Manpower: Operator	1	
Asphalt Removal Task Force	Front-end loader	Front-end loader	1	
Asphalt Removal Task Force	Roll Off Box	Roll Off Box	10	
Asphalt Removal Task Force	Vehicle	Roll Off Trucks	2	
Assignments				
<p>Remove asphalt in priority areas as directed by operations and approved by Baker Risk</p> <p>Asphalt removal will be done by equipment operators and laborers. Asbestos workers will be on site during the process to watch for PACM. - If Presumed Asbestos Containing Material (PACM) is identified the asbestos workers will implement "Asbestos Remediation Plan 2018 Superior Refinery Fire" that GHD produced - If no PACM is identified the asphalt removal will proceed as a non-regulated site Develop a detailed map of the area Prioritize the removal areas on a map per operations</p> <p>* Baker Risk needed for documentation and storage of evidence found</p>				
Special Environmental Considerations				
<p>Follow existing waste management plan and approved by applicable agencies. Actions shall be taken to minimize any release of hydrocarbons to the environment. Any hydrocarbon release shall be cleaned up immediately and disposed of properly. Notification of any hydrocarbon release shall be made to the GHD air monitoring group immediately for consideration in air monitoring.</p>				
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ICS 204 - Assignment List		Task Force: Asphalt Removal Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
<i>Special Site-Specific Safety Considerations</i>			
<p>If in Hot Zone, follow Hot Zone entry procedures.</p> <p>If in Warm or Cold Zone, refinery PPE must be worn. In addition, Tingley or other chemical boots and leather gloves must be worn when there is a potential for contact with asphalt.</p> <p>Hazard assessment must be done to plan safe work.</p> <p>Any disturbance of Presumed Asbestos Containing Materials must be done by asbestos licensed personnel.</p> <p>Be cognizant of the hazards of the areas that you are working in. Certain areas, such as the HF Unit, may require additional PPE.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>			
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ICS 204 - Assignment List			Task Force: ERT Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Emergency Response Group Supervisor	Quimby, Jerome	Husky Energy Inc.	218-428-5190	
ERT Task Force Leader	Hunker, Johnny	Husky Energy Inc.		
ERT Task Force Leader	VanHornweder, Brian	Husky Energy Inc.	218-428-5210	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
ERT Task Force	Fire Fighting Foam	Fire Fighting Foam	1500	
ERT Task Force	Tanker Truck	Tanker Truck	1	
ERT Task Force	Foam pumper	Foam pumper	1	
ERT Task Force	Manpower: Responder	Manpower: Responder	20	
Assignments				
Maintain 24hr readiness to respond to any incidents on-site. Follow guidelines as defined in existing Superior Refinery Emergency Response Plan.				
Escort all approved individuals into the hot zone area as needed. All approvals to go through Maintenance Supervision.				
See attached map for warm and hot zone locations.				
Equipment manager for ERT will ensure serviceability and organization of ERT building and equipment				
Communications				
Name / Function	Contact Details			
ERT Channel	8			
Channel 1 Talk Around	11			
Primary	1			
Secondary	2			
Radio	3 to 7			
Special Environmental Considerations				
Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.				
Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.				
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ICS 204 - Assignment List		Task Force: ERT Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
<p align="center">Special Site-Specific Safety Considerations</p> <p>If in Hot Zone, follow Hot Zone entry procedures discussed in previous section.</p> <p>If in Warm or Cold Zone, refinery PPE must be worn.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin licensed asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>			
<p align="center">Additional Information</p> <p>If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221</p>			
<div style="height: 400px;"></div>			
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ICS 204 - Assignment List			Task Force: Fire Pump Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Emergency Response Group Supervisor	Quimby, Jerome	Husky Energy Inc.	218-428-5190	
Fire Pump Task Force Leader	Peterson, John	Husky Energy Inc.	218-428-6160	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Fire Pump Task Force	Manpower: Responder	Manpower: Responder	4	
Fire Pump Task Force	Pumps	Fire Pumps	4	
Assignments				
Maintain operational readiness of fire water pumps. Report any issues to the Emergency Response Group Supervisor.				
Communications				
Name / Function		Contact Details		
ERT Channel		8		
Channel 1 Talk Around		11		
Primary		1		
Secondary		2		
Radio		3 to 7		
Special Environmental Considerations				
<p>Release of diesel fuel at the diesel fire water pumps shall be properly cleaned up immediately for proper disposal. Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p>				
Special Site-Specific Safety Considerations				
<p>Refinery require FR clothing, Hard Hat, Safety Glasses and safety boots.</p> <p>If in Diesel Pump building and pumps are running, hearing protection must be worn.</p> <p>If working along the pond perimeter, a life jacket must be worn.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>				
Additional Information				
If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221				
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ICS 204 - Assignment List			Task Force: Air Monitoring Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Environmental Monitoring Group Supervisor	Beattie, Dave	Husky Energy Inc.	218-348-9051	
Air Monitoring Task Force Leader	Armes, Will	GHD	519-497-8054	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Air Monitoring Task Force	Equipment: Air Monitoring	AreaRaes	32	
Air Monitoring Task Force	Equipment: Air Monitoring	MultiRaes	10	
Air Monitoring Task Force	Equipment: Air Monitoring	UltraRaes	10	
Air Monitoring Task Force	Equipment: Air Monitoring	Dust Track	10	
Air Monitoring Task Force	Manpower: Operator	Air Monitoring Supervisors	2	
Air Monitoring Task Force	Manpower: Responder	Industrial Hygienist	25	
Assignments				
<p>1. Continue to maintain a fixed perimeter air monitoring system that has been deployed to the area currently delineated as the hot zone. This monitoring will be conducted in accordance with the Site action levels described in the Air Monitoring Plan</p> <p>2. Continue to maintain a fixed perimeter air monitoring system that has deployed to the perimeter of the refinery process area at or near the fenceline. This monitoring will be used to provide information regarding air quality in close proximity to potential sources of emissions of COI during the cleanup and recovery phases of the project.</p> <p>3. Mobile community monitoring teams will continue to conduct monitoring in the area outside the facility, with a focus on downwind monitoring, while the cleanup and recovery phases of the project are ongoing.</p>				
Communications				
Name / Function		Contact Details		
ERT Channel		8		
Channel 1 Talk Around		11		
Primary		1		
Secondary		2		
Radio		3 to 7		
Special Environmental Considerations				
<p>Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p>				
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ICS 204 - Assignment List		Task Force: Air Monitoring Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
<i>Special Site-Specific Safety Considerations</i>			
<p>If in Hot Zone, must follow Hot Zone Procedures including Bunker Gear, ERT escort, 4-Gas Monitor and sign in at ERT Response Center.</p> <p>All other areas in the refinery require FR clothing, Hard Hat, Safety Glasses and safety boots.</p> <p>If working along the perimeter fence or other Husky property outside of refinery, contact security guards at 715-398-8220 to make them aware of your presence. Otherwise, the police will be called.</p> <p>When working along the refinery perimeter, be cognizant of slip, trip and fall hazards.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>When leaving vegetated areas outside of refinery, visually inspect clothing and skin for ticks.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>			
<i>Additional Information</i>			
<p>If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221</p>			
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ICS 204 - Assignment List			Task Force: Water Sampling Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Environmental Monitoring Group Supervisor	Beattie, Dave	Husky Energy Inc.	218-348-9051	
Water Sampling Task Force Leader	Turner, Matt	Husky Energy Inc.	715-969-4873	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Water Sampling Task Force	Miscellaneous	Long-Handled Surface water Sampler	4	
Water Sampling Task Force	Miscellaneous	Lab Sample Containers	24	
Water Sampling Task Force	Miscellaneous	Water-Proof Shipping Containers	4	
Water Sampling Task Force	Manpower: Responder	Water Sampling Techs	3	
Assignments				
<p>Water sampling to be conducted every other day as directed by the Water Sampling Task Force Leader. When sampling occurs, the following will take place:</p> <ol style="list-style-type: none"> 1. Continue to collect water samples at designated sites utilizing appropriate water sampling equipment and techniques. 2. Sample at Five (5) pre-determined locations at Newton Creek and two (2) sample sites within refinery (Pond 2/3 & 4) 3. Package and arrange water samples for delivery to selected labs for analysis. 4. Report findings to EUL and GHD. 				
Communications				
Name / Function	Contact Details			
ERT Channel	8			
Channel 1 Talk Around	11			
Primary	1			
Secondary	2			
Radio	3 to 7			
Special Environmental Considerations				
<p>Follow existing water sampling plan developed by GHD and approved by applicable agencies. All precautions should be taken to ensure proper sampling and handling. Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p>				
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ICS 204 - Assignment List		Task Force: Water Sampling Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Special Site-Specific Safety Considerations			
<p>Please refer to GHD Health and Safety Plan for water sampling.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request lighth plants and other larger lighting.</p> <p>Life jackets are required when working over water. Life jackets are available in the Warehouse.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>			
Additional Information			
<p>If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221</p>			
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ICS 204 - Assignment List			Task Force: IH Monitoring Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Environmental Monitoring Group Supervisor	Beattie, Dave	Husky Energy Inc.	218-348-9051	
IH Monitoring Task Force Supervisor	Hale, Monica	Husky Energy Inc.	419-303-7704	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
IH Monitoring Task Force	Manpower: Responder	Industrial Hygienist	2	
IH Monitoring Task Force	Pumps	Sampling Pumps	5	
IH Monitoring Task Force	Manpower: Responder	Asbestos Contractors	12	
Assignments				
Continue asbestos monitoring on-site as directed by approved Asbestos Plan				
Personal monitoring for air contaminants. (VOC, Asbestos)				
Continue picking up insulation outside of the fence line and in the asphalt truck loading areas.				
Provide asbestos hazard support to ERT and on-site operations within the hot zone or other areas where insulation is damaged.				
Communications				
Name / Function		Contact Details		
ERT Channel		8		
Channel 1 Talk Around		11		
Primary		1		
Secondary		2		
Radio		3 to 7		
Special Environmental Considerations				
Debris shall be assumed to be asbestos containing unless testing or other means of identification confirms otherwise. Actions shall be taken to minimize any release of presumed asbestos containing materials (PACM) to the environment. Any PACM disturbance/release/exposure shall be mitigated or cleaned up immediately and disposed of properly. Notification of any PACM activities shall be made to the GHD IH air monitoring group immediately for evaluation, mitigation and/or exclusion.				
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ICS 204 - Assignment List		Task Force: IH Monitoring Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Special Site-Specific Safety Considerations			
<p>If in Hot Zone, must follow Hot Zone Procedures including Bunker Gear, ERT escort, 4-Gas Monitor and sign in at ERT Response Center.</p> <p>All other areas in the refinery require FR clothing, Hard Hat, Safety Glasses and safety boots.</p> <p>If working along the perimeter fence or other Husky property outside of refinery, contact security guards at 715-398-8220 to make them aware of your presence. Otherwise, the police will be called.</p> <p>When in the refinery, be cognizant of hazards associated with a fire zone.</p> <p>When working along the refinery perimeter, be cognizant of slip, trip and fall hazards.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>			
Additional Information			
<p>If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221</p>			
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ICS 204 - Assignment List			Task Force: Environmental Support Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Environmental Monitoring Group Supervisor	Beattie, Dave	Husky Energy Inc.	218-348-9051	
Environmental Support Task Force Leader	Turner, Matt	Husky Energy Inc.	715-969-4873	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Environmental Support Task Force	Manpower: Responder	Manpower: Responder	3	
Environmental Support Task Force	Boom	Boom	400	
Environmental Support Task Force	Sorbent: Boom	Sorbent: Boom	400	
Environmental Support Task Force	Vehicle	Vehicle	4	
Environmental Support Task Force	Vacuum Truck	Vacuum Truck	1	
Environmental Support Task Force	Manpower: Operator	Vac Truck Operators	2	
Environmental Support Task Force	Manpower: Operator	Operator	1	
Environmental Support Task Force	Excavator	Mini Excavator	1	
Assignments				
<p>Boom Maintenance: The team will travel to the current boom sites along Newton Creek to assess the condition of the boom. The morning crew will replace all absorbent boom that appears to have petroleum contamination. Any containment boom that is compromised will be put into 55 gallon steel drums that are labeled with a non-hazardous waste label filled in with "Oily Absorbent Booms". Full drums will be brought to the 90 day storage building. Pictures of each boom site should be taken both before and after any upkeep for documentation. Report to acting shift foreman for any additional work he may have for them.</p> <p>Escort Surface Water Sampling teams: The team will provide escort inside the facility to ponds 2,3 & 4 to conduct surface water samples.</p> <p>Respond to any immediate actions, environmental concerns. (ie: Cleanup of contaminants at boom locations, address contamination issues at stinson avenue) as directed by Matt Turner.</p>				
Communications				
Name / Function		Contact Details		
Primary		1		
Secondary		2		
Radio		3 to 7		
ERT Channel		8		
Channel 1 Talk Around		11		
Channel 2 Talk Around		12		
Special Equipment / Supplies Needed for Assignment				
Steel Drums, wheelbarrow				
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ICS 204 - Assignment List		Task Force: Environmental Support Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Special Environmental Considerations			
<p>Presence of sheen/oil at any location shall be relayed to the boom maintenance task force leader. Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p>			
Special Site-Specific Safety Considerations			
<p>Be aware of slipping hazards on sides of banks of creek and other areas.</p> <p>When work involves roadways, utilize Hi Viz vest.</p> <p>Wear a life jacket when working in areas of deeper water. Consider slipping hazards and what might happen if you were to slip into creek while deploying boom or into pond while sampling.</p> <p>Be cognizant of the products being handled.</p> <p>Utilize proper lifting techniques and utilize mechanical lifting techniques on heavy boom or other objects.</p> <p>Inspect for ticks when traveling in grassy or wooded areas.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p>			
Additional Information			
<p>If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221</p>			
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ICS 204 - Assignment List			Task Force: Oil Recovery Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Environmental Monitoring Group Supervisor	Beattie, Dave	Husky Energy Inc.	218-348-9051	
Oil Recovery Task Force Leader	Turner, Matt	Husky Energy Inc.	715-969-4873	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Oil Recovery Task Force	Frac Tank	Frac Tank	2	
Oil Recovery Task Force	Vacuum Truck	Vacuum Truck	1	
Oil Recovery Task Force	Manpower: Operator	Vac Truck Operators	2	
Assignments				
Continue the recovery of oil within containment area of tank 54 and adjacent containments using vac trucks and steam coiled frac tanks.				
Maintain wildlife fencing around Tank 54.				
Special Environmental Considerations				
Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly. Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.				
Special Site-Specific Safety Considerations				
Hydrogen Sulfide gas may be present. Pay attention to H2S air monitors and evacuate if exposure is 10 PPM or greater.				
Verify that prior product held is compatible with 6 Oil, Therminol, or any other product that might be found in the diked area.				
Avoid potential creation of static electricity by provide grounding and/or bonding as necessary.				
Be cognizant of slip, trip and fall hazards.				
Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.				
For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.				
Additional Information				
If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221				
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ICS 204 - Assignment List			Task Force: Wildlife Task Force		
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]		
Operations Personnel					
Position	Name	Affiliation	Contact Number(s)	Work Shift	
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161		
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594		
Environmental Monitoring Group Supervisor	Beattie, Dave	Husky Energy Inc.	218-348-9051		
Wildlife Task Force Leader	McLeish, Torey	Husky Energy Inc.	403-828-3418		
Wildlife Task Force Leader	Studer, Aaron	Husky Energy Inc.	780-205-5129		
Resources Required					
Area Of Operation	Resource Kind	Description	Quantity	Size	
Wildlife Task Force	Manpower: Responder	Manpower: Responder	3		
Wildlife Task Force	Small Boat	Small Boat	1		
Wildlife Task Force	Boat Operator	Boat Operator	2		
Assignments					
<p>Minimize access to asphalt tank farm by installing fencing (chain link & silt fence), continue to clean up and maintain penant & mylar flagging around all of the asphalt and 6 oil containment area.</p> <p>Implement canadian goose nest and egg depredation as defined in the wildlife plan.</p> <p>Implement active wildlife hazing as appropriate.</p> <p>Remove all impacted cat tails around the edge of the impoundment area.</p> <p>Continuous active monitoring of wildlife on-site and off-site around the facility</p> <p>Contingent on approval from CSB & OSHA: Begin applying sand to the asphalt and 6 oil release areas to separate released materials from contact with wildlife.</p> <p>All operations should be in accordance with the approved Wildlife Plan.</p>					
Special Equipment / Supplies Needed for Assignment					
100yd sand Pre-sectioned mobile fencing PFD Flagging material					
Special Environmental Considerations					
Follow existing wildlife management plan and approved by applicable agencies. Actions shall be taken to minimize any impact to wildlife. Notification to the Wildlife Group and Environmenal Unit Leader of any identified impacts to wildlife (terrestrial, aquatic, avian). Additionally, notification of any hydrocarbon release shall be made to the GHD air monitoring group immediately for consideration in air monitoring.					
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ICS 204 - Assignment List		Task Force: Wildlife Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Special Site-Specific Safety Considerations			
<p>Wear Refinery PPE including FR clothing, Hard Hat, Safety Glasses and safety boots.</p> <p>Be cognizant of the hazards of the products being handled.</p> <p>If working along the perimeter fence or other Husky property outside of refinery, contact security guards at 715-398-8220 to make them aware of your presence. Otherwise, the police will be called.</p> <p>When working along the refinery perimeter, be cognizant of slip, trip and fall hazards.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p> <p>Be sure to wear a life jacket when working over water. Life jackets are available in the Warehouse.</p> <p>Inspect for ticks when traveling in grassy or wooded areas.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>			
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ICS 204 - Assignment List			Task Force: Waste Management Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Environmental Monitoring Group Supervisor	Beattie, Dave	Husky Energy Inc.	218-348-9051	
Waste Management Task Force Leader	Turner, Matt	Husky Energy Inc.	715-969-4873	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Waste Management Task Force	Dump Truck	Dump Truck	5	
Waste Management Task Force	Manpower: Responder	Spotter	1	
Waste Management Task Force	Manpower: Operator	Operator	1	
Waste Management Task Force	Front-end loader	Front-end loader	1	
Waste Management Task Force	Vehicle	Sand Truck	1	
Waste Management Task Force	Manpower: Operator	Sand Truck Operator	2	
Assignments				
<p>Contingent on Baker Risk clearance on a per site basis:</p> <p>Dispose of asphalt removed by the Asphalt Removal Task Force.</p> <p>Movement of disposal equipment should be directed by Asphalt Removal Task Force Leader</p> <p>All operations to follow the approved Asbestos and Waste Management Plans</p>				
Special Environmental Considerations				
<p>Follow existing waste management plan and approved by applicable agencies. Actions shall be taken to minimize any release of hydrocarbons to the environment. Any hydrocarbon release shall be cleaned up immediately and disposed of properly. Notification of any hydrocarbon release shall be made to the GHD air monitoring group immediately for consideration in air monitoring.</p>				
Special Site-Specific Safety Considerations				
<p>If in Hot Zone, follow Hot Zone entry procedures.</p> <p>If in Warm or Cold Zone, refinery PPE must be worn.</p> <p>Hazard assessment must be done to plan safe work.</p> <p>Be cognizant of the hazards of the products being handled.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>Emergency Alarm system will signal need to evacuate from the site.</p> <p>For work in the hot zone or where damage has occurred to equipment, area must be assessed for asbestos and other hazardous materials by an Industrial Hygienist or Wisconsin Licensed Asbestos personnel prior to their work. Safe work permit request must include request for this determination. Any concerns found as part of this assessment must be addressed prior to any work being done.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>				
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ICS 204 - Assignment List			Task Force: Security Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Security Task Force Leader	Brager, Lynn	Securitas	715-398-8220	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Security Task Force	Manpower: Responder	Securitas Security Officer	18	
Security Task Force	Vehicle	Security Vehicle	4	
Assignments				
<p>Securitas to maintain 24hr security checkpoints at road blocks, command post and control sites. Roving security to patrol between sites and to additional locations as requested.</p> <p>Security to reference list of (Non-Husky) individuals approved for access.</p> <p>Sites:</p> <ul style="list-style-type: none"> - Road block at Stinson/Hill - Road block at Stinson/Bardon - Hill/Stinson Guard Shack <p>Removal roadblocks contingent upon cleanup of Stinson Avenue and asphalt loading area</p> <p>Confirmation to be provided the Environmental Monitoring Group Supervisor</p>				
Communications				
Name / Function		Contact Details		
ERT Channel		8		
Channel 1 Talk Around		11		
Primary		1		
Secondary		2		
Radio		3 to 7		
Special Environmental Considerations				
<p>Immediate notification of a breach in the security of the site should be reported through the ICS system to mitigate the potential for a release of hydrocarbon to the environment. Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p>				
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ICS 204 - Assignment List		Task Force: Security Task Force	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
<p align="center">Special Site-Specific Safety Considerations</p>			
<p>Any work on roadways requires a high visibility vest.</p> <p>Be cognizant of vehicle traffic.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>Keep truck flashing lights on if manning roadblocks.</p> <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p> <p>Park Vehicle for roadblocks so that your on not in oncoming traffics lane. If someone is not paying attention, they could potentially not notice the roadblock.</p>			
<p align="center">Additional Information</p>			
<p>If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221</p>			
<div></div>			
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ICS 204 - Assignment List			Task Force: Decon Task Force	
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Fredman, Peter	Husky Energy Inc.	320-288-6161	
Deputy Operations Section Chief	Schade, Kollin	Husky Energy Inc.	317-292-6594	
Decon Task Force Leader	Raiha, John	Husky Energy Inc.	218-390-4078	
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Decon Task Force	Manpower: Responder	Decon Personnel	4	
Decon Task Force	Equipment: Decon	Decon Station	1	
Assignments				
Conduct personnel decon as per standard procedure outlined in Refinery ERP.				
Communications				
Name / Function		Contact Details		
ERT Channel		8		
Channel 1 Talk Around		11		
Primary		1		
Secondary		2		
Radio		3 to 7		
Special Environmental Considerations				
<p>Actions shall be taken to minimize any release of hydrocarbons to the environment. Any liquid hydrocarbon release shall be cleaned up immediately and disposed of properly.</p> <p>Notification of any venting/release of vapor/liquid hydrocarbon shall be made to the GHD air monitoring group immediately for consideration in air monitoring. Any liquid hydrocarbon release shall be cleaned up immediately.</p>				
Special Site-Specific Safety Considerations				
<p>Decon personnel must wear chemical gear over FR coveralls.</p> <p>Use flashlights, vehicle lights and other lighting during nighttime activities. If warranted, request light plants and other larger lighting.</p> <p>Four station boot Decon:</p> <ol style="list-style-type: none"> 1. Simple Green and/or Orange Peel used to decon at Wash Station #1 2. Water rinse at station #2 3. Water rinse at station #3 4. Clean water tub at station #4 <p>Be aware of the potential for severe weather. In the refinery, the Shift Foreman will make an announcement on the plant radio system if there are special precautions or if there is a need to take shelter.</p>				
Additional Information				
If impacted wildlife are observed. Do not approach or attempt to capture. Please contact Husky Hill Avenue guard shack at 715-398-8220 or 221				
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ICS 205 - Radio Communications					Version Name: Overall				
Incident Name: 2018 Superior Refinery Fire					Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]				
Radio Channel Information									
Ch #	Function	Channel Name/ Trunked Radio System Talkgroup	Assignment	Rx Freq N or W	Rx Tone/NAC	Tx Freq N or W	Tx Tone/NAC	Mode (A, D, or M)	Remarks
1	Primary	Primary Radio Channel - Repeated							
2	Secondary	Secondary Radio Channel - Repeated							Secondary Repeated Channel Unit and Uses
3 to 7	Radio	Radio to Radio Channels							Working Channel
8	ERT Channel	Emergency Response Channel							Emergency Response Team Channel
11	Channel 1 Talk Around	Channel 1 Talk Around							Use this channel in case of failure of repeated Channel 1
12	Channel 2 Talk Around	Channel 2 Talk Around							Use this channel in case of failure of repeated Channel 2
Special Radio Instructions									
ICS 205 - Radio Communications					Prepared By Logistics, Updated 05/01/2018 13:11 UTC -6:00 PP				
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ICS 205a - Communications List			Version Name: Overall		
Incident Name: 2018 Superior Refinery Fire			Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]		
Local Communications Information					
Name	Incident Assigned Position	Mobile Phone	Work Phone	Email	Notes
Long, David	Incident Commander (May 8th)	Non-Responsive	403-298-7299	david.long@huskyenergy.com	
Harris, Paul	Deputy Incident Commander		306 820-8250	Paul.Harris@huskyenergy.com	
Morrison, Dave (EPA)	Agency Representative			morrison.david@epa.gov	
Syphard, Dan	Legal Officer			dan.syphard@huskyenergy.com	
Lott, Sean	Liaison Officer			Sean.Lott@huskyenergy.com	
O'Brien, John	Safety Officer			john.obrien@huskyenergy.com	
Bachhuber, Julie	HR Officer			julie.bachhuber@huskyenergy.com	
Duvall, Mel	Public Information Officer		403-513-7602	mel.duvall@huskyenergy.com	
Fredman, Peter	Operations Section Chief			peter.fredman@huskyenergy.com	
Schade, Kollin	Deputy Operations Section Chief			kollin.schade@huskyenergy.com	
Tokarz, Christina	Planning Section Chief			Christina.Tokarz@huskyenergy.com	
Choate, Jerry	Logistics Section Chief			jerry.choate@huskyenergy.com	
Shaah, Dax	Deputy Logistics Section Chief (May 8th)				
Bruckelmyer, Jason	Support Branch Director			jason.bruckelmyer@huskyenergy.com	
Black, Jason	Supply Unit Leader			jason.black@huskyenergy.com	
Kowitz, Kim	Finance Section Chief			kim.kowitz@huskyenergy.com	
Verrill, John	Deputy Finance Section Chief			john.verrill@huskyenergy.com	
Thurber, Brandon	Situation Unit Leader		403 750-1613	brandon.thurber@huskyenergy.com	
Buckley, Joe	Resource Unit Leader			jbuckley@responsegroupinc.com	
Cooke, Lorelee	Documentation Unit Leader		403 298-6238	lorelee.cooke@huskyenergy.com	
Darby, Mark	Environmental Unit Leader		mark.darby@huskyenergy.com		
Shook, Anthony	GIS Specialist		AShook@responsegroupinc.com		
ICS 205a - Communications List			Prepared By Logistics, Updated 05/08/2018 15:23 UTC -6:00 PP		
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ICS 206 - Medical Plan				Version Name: Overall				
Incident Name: 2018 Superior Refinery Fire				Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]				
Medical Aid Stations								
<i>Name</i>	<i>Location</i>	<i>Paramedic On Site</i>	<i>Phone</i>	<i>Radio</i>				
Superior Refinery Medical Aid Station	-92.07578 46.68889	<input checked="" type="checkbox"/>						
Transportation (Ground and/or Air Ambulance Services)								
<i>Ambulance Service</i>	<i>Location</i>	<i>Phone</i>	<i>Radio</i>	<i>Air</i>	<i>ALS</i>			
Global Air Ambulance	3500 Tower Ave. Superior, WI 54888 -92.07202 46.68952	Ph1: (305) 514-0942		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Gold Cross Ambulance Service	4505 W. Michigan St. Duluth, MN -92.15475 46.74444	Ph1: (218) 628-9323		<input type="checkbox"/>	<input type="checkbox"/>			
Hospitals								
<i>Hospital</i>	<i>Location</i>	<i>Phone</i>	<i>Radio</i>	<i>Air Travel Time</i>	<i>Ground Travel Time</i>	<i>Trauma Center</i>	<i>Helipad</i>	<i>Burn Center</i>
Essentia Health St. Mary's Hospital	3500 Tower Ave Superior, MN -92.10236 46.69748	Ph1: (715) 817-7000		min	15 min	II	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Essentia Health Duluth (Miller Dwan) Thermal or Chemical Burns	502 E 2nd St Duluth, MN -92.09367 46.79244	Ph1: (218) 727-8762		min	30 min	II	<input type="checkbox"/>	<input checked="" type="checkbox"/>
St Luke's Duluth	915 East First Street Duluth, MN -92.08762 46.79718	Ph1: (218) 249-5555		min	30 min	II	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				min	min		<input type="checkbox"/>	<input type="checkbox"/>
ICS 206 - Medical Plan				Prepared By Medical, Updated 05/01/2018 13:08 UTC -6:00 PP				
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ICS 206 - Medical Plan		Version Name: Overall	
Incident Name: 2018 Superior Refinery Fire		Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]	
<p align="center">Special Medical Emergency Procedures</p>			
<p>All injured employees who require more than in-house first aid, (i.e. lacerations requiring stitches, severe eye problems, severe strains/sprains or fractures) will be sent to the following medical facility:</p> <p>Essentia St. Mary's Occupational Medicine Clinic 3500 Tower Ave Superior, WI (715) 817-7100</p>			
<p>INJURIES INVOLVING EXPOSURE TO HYDROFLUORIC ACID</p> <p>For minor exposures, the employee may be transported to Essentia St. Mary's Emergency Room in Superior, the Essentia Duluth Clinic Occupational Medicine Clinic or the Essentia St. Mary's Hospital Emergency Room in Duluth.</p> <p>For all but minor exposures, the employee should be transported by ambulance to: St. Mary's Hospital Emergency Room in Duluth: 407 East 3rd Street Duluth, MN 218-786-4000</p>			
<p>INJURIES INVOLVING THERMAL OR CHEMICAL BURNS</p> <p>For injuries involving all but minor thermal or chemical burns, employees should be transported by ambulance to: Essentia Miller-Dwan Burn Center 502 E. Second St., First Floor Duluth, MN (218) 786-2815</p>			
<div></div>			
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MEDICAL SERVICES/EMPLOYEE MEDICAL RECORDS/ WORKER'S COMPENSATION

SCOPE

This Standard Practice Instructions is to be considered Husky Superior company policy and minimum acceptable standards under normal conditions. Stricter requirements may apply under certain situations. If a problem is encountered, consultation with a safety professional should be considered before proceeding. Keep in mind that any alternative procedure must be at least as effective as these instructions in providing a safe workplace.

RATIONALE

This procedure was developed to inform all supervisors of the steps which need to be taken to insure that all injured employees are properly cared for, to explain access to employee medical records, and to explain the worker's compensation procedure.

APPLICATION

This policy describes the procedure that needs to be followed by all Husky Superior employees when it is necessary to obtain medical services, access medical records, or receive worker's compensation.

DEFINITIONS

Minor injury – Any injury that can be properly attended with in-house first aid. This type of injury might include strains/sprains, lacerations not requiring stitches, irrigating eyes or minor burns (either chemical or thermal).

Medical First-Aid Injuries – Any injury that can be properly attended by a physician with first-aid treatment.

Serious Injury – An injury that resulted in an OSHA recordable injury, lost-time injury (either lost workdays or restricted workdays) or fatality.

PROCEDURE FOR OBTAINING MEDICAL SERVICES

Note: On-Shift Emergency Response Team (ERT) Members should be called to assist on all, but very minor, medical incidents.

DAYTIME HOURS, MONDAY THROUGH FRIDAY

All injured employees who require more than in-house first aid, (i.e. lacerations requiring stitches, severe eye problems, severe strains/sprains or fractures) will be sent to the following medical facility:

Essentia SMDC Occupational Medicine Clinic
Duluth Clinic 3rd Street Building
400 E. Third St.
Duluth, MN
(218) 786-3392

-or-

Essentia St. Mary's Occupational Medicine Clinic
3500 Tower Ave
Superior, WI
(715) 817-7100

- A. The immediate supervisor shall contact the Safety Department and advise of the injured employee.
- B. The Safety Manager or other member of the Safety Department will notify Essentia that an employee of Husky Superior is in route and give them a brief description of the employee's condition.
 - a. If requested by the Employee's Supervisor, the medical facility will also be advised that a drug screen and breath alcohol test according to the Husky Superior Drug and Alcohol Program will be needed.
- C. The Safety Manager, other member of the Safety Department or the Shift Foreman/Employee's Supervisor should accompany the injured employee to the medical facility to assure prompt and immediate medical attention is obtained. The medical facility will direct proper medical attention/treatment.

EVENINGS, WEEKENDS, HOLIDAYS

If an employee is injured Monday through Friday, after 5:00 PM, on a Saturday, Sunday, or holiday, the shift supervisor will follow these guidelines.

Minor Injuries

All injured employees who require more than in-house first aid, (i.e. lacerations requiring stitches, severe eye problems, severe strains/sprains or fractures) will be sent to the following medical facility:

Essentia St. Mary's Emergency Room
3500 Tower Ave
Superior, WI 54880
Phone: (715) 817-7100

Serious Injury

Some injuries may be such that immediate outside medical attention is required. If it has been determined that the injury is not life threatening but will require outside medical attention, the injured employee should be transported either by company vehicle or by ambulance. Unless directed by ambulance or other emergency responders, the employee should be transported to the Emergency Room at Essentia St. Mary's Superior or Duluth.

- A. The immediate supervisor shall contact the Safety Department and advise of the injured employee.
- B. The Supervisor or the Safety Manager will notify Essentia that an employee of Husky Superior is in route and give them a brief description of the employee's condition.
 - a. If requested by the Employee's Supervisor, the medical facility will also be advised that a drug screen and breath alcohol test according to the Husky Superior Drug and Alcohol Program will be needed.
- C. The Shift Foreman/Employee's Supervisor, Safety Manager/Safety Department Member or other Husky Superior Employee should accompany the injured employee to the medical facility to assure prompt and immediate medical attention is obtained. The medical facility will direct proper medical attention/treatment.

LIFE THREATENING EMERGENCIES

If the injury is life threatening, the injured employee will be transported to the hospital by ambulance. An injured employee under these conditions will not be transported by a Husky Superior or contractor employee. The supervisor in charge shall call or designate someone to call 911.

Examples of Life Threatening Situations

- a. Employee is unconscious
- b. Severe bleeding
- c. Cyanosis (blue lips, fingernails)
- d. Severe head injury
- e. Severe chest pain, pain radiating down arms
- f. Compound fractures (bones exposed)
- g. Immediate excessive swelling
- h. Hypothermia
- i. Heatstroke
- j. Stroke

Information for Operator at 911

- a. Give a brief description of the problem. This will enable EMT's to prepare the equipment necessary for the immediate care of the injured employee.
- b. Give direction to the appropriate gate nearest the accident; advise that there will be someone at the gate to escort the emergency vehicle to the site of the accident.

After the 911 call, contact the following:

- a. Call security and advise them of the pending arrival of the emergency vehicle.
- b. Call the Essentia Medical facility that the employee was transported too and advise them that an employee of Husky Superior is in route and give them a brief description of the employee's condition and require a post accident drug/alcohol screen.
- c. Notify either the Safety Manager, on-call personnel (weekends/holidays), or any available member of management.

INJURIES INVOLVING EXPOSURE TO HYDROFLUORIC ACID

For minor exposures, the employee may be transported to Essentia St. Mary's Emergency Room in Superior, the Essentia Duluth Clinic Occupational Medicine Clinic or the Essentia St. Mary's Hospital Emergency Room in Duluth.

For all but minor exposures, the employee should be transported by ambulance to:

St. Mary's Hospital Emergency Room in Duluth:
407 East 3rd Street
Duluth, MN
218-786-4000

Follow notification and other procedures as outlined above depending on the time of day that the exposure occurs.

INJURIES INVOLVING THERMAL OR CHEMICAL BURNS

For injuries involving all but minor thermal or chemical burns, employees should be transported by ambulance to:

Essentia Miller-Dwan Burn Center
502 E. Second St., First Floor
Duluth, MN
(218) 786-2815

Follow notification and other procedures as outlined above depending on the time of day that the exposure occurs.

SUPERVISOR'S INCIDENT/INJURY REPORT

The immediate supervisor shall complete the Supervisor's Incident/Injury Report form as soon as possible after the occurrence, but no later than the end of the shift on which it occurred.

NOTE: Husky Superior is required to notify OSHA within 8-hours of any incident that results in a fatality or the hospitalization of three or more employees. This notification will result in an OSHA investigation of the incident.

ACCESS TO RECORDS

The following records shall be made available, upon request, to any employee and to their representatives for examination and copying at a reasonable time and manner:

- a. OSHA 300 log;
- b. Work Comp First Report of Injury;
- c. OSHA 300A Annual Summary of occupational injuries and illnesses;
- d. Pulmonary function and audiometric testing.
- e. Industrial hygiene sampling records.

Medical records are kept in a confidential file, separate from the personnel file in the general administrative office. These files include the pre-placement physical record and worker's compensation information. Audio and pulmonary medical records are maintained in a separate file in the Safety Department. Employees may inspect their medical records by contacting the Supervisor of Administrative Services.

WORKER'S COMPENSATION

An employee involved in a personal injury has the responsibility to perform the following steps:

1. Receive medical attention if needed.
2. Report injury to supervision immediately!
3. Complete all appropriate forms with supervision.

NOTE: These forms must be completed as soon as possible after the occurrence, but no later than at the end of the shift on which it occurred.

4. Participate in all investigations as necessary.

If an employee has an injury or illness that has not been reported as an accident but the employee believes it is work related, the employee must inform the company of the circumstance of the injury or illness and how it relates to the work place.

When the employee gives notice of an injury, the employee may see a physician of his/her choice. However, Husky Superior reserves the right to send the employee to another doctor for a second opinion at its discretion. In emergencies, Husky Superior may choose the practitioner without offering a choice, but after the emergency, the employee still has the option of seeing his/her own physician. The employee also may change practitioners once, with notice to Husky Superior.

The employee must provide Husky Superior with a doctor's report that provides evidence that the illness/injury is related to the employee workplace.

Clinic/Hospital Information

Minor Injuries - Daytime Hours, Monday through Friday (either):

Essentia SMDC Occupational Medicine Clinic
Duluth Clinic 3rd Street Building
400 E. Third St.
Duluth, MN
(218) 786-3392

Essentia St. Mary's Occupational Medicine Clinic
3500 Tower Ave
Superior, WI
(715) 817-7100

Minor Injuries - Evenings, Weekends or Holidays:

Essentia St. Mary's ER - Superior
3500 Tower Ave
Superior, WI 54880
(715) 817-7100

Serious Injuries

Unless directed by ambulance or other emergency responders, the employee should be transported to either:

Essentia St. Mary's ER - Superior
3500 Tower Ave
Superior, WI 54880
(715) 817-7100

Essential St. Mary's Hospital ER - Duluth:
407 East 3rd Street
Duluth, MN
218-786-4000

HF Minor Exposures (any of the following):

Essentia St. Mary's ER - Superior
3500 Tower Ave
Superior, WI 54880
(715) 817-7100

Essentia Occup. Medicine Clinic
Duluth Clinic - 3rd Street Building
400 E. Third St.
Duluth, MN
(218) 786-3392

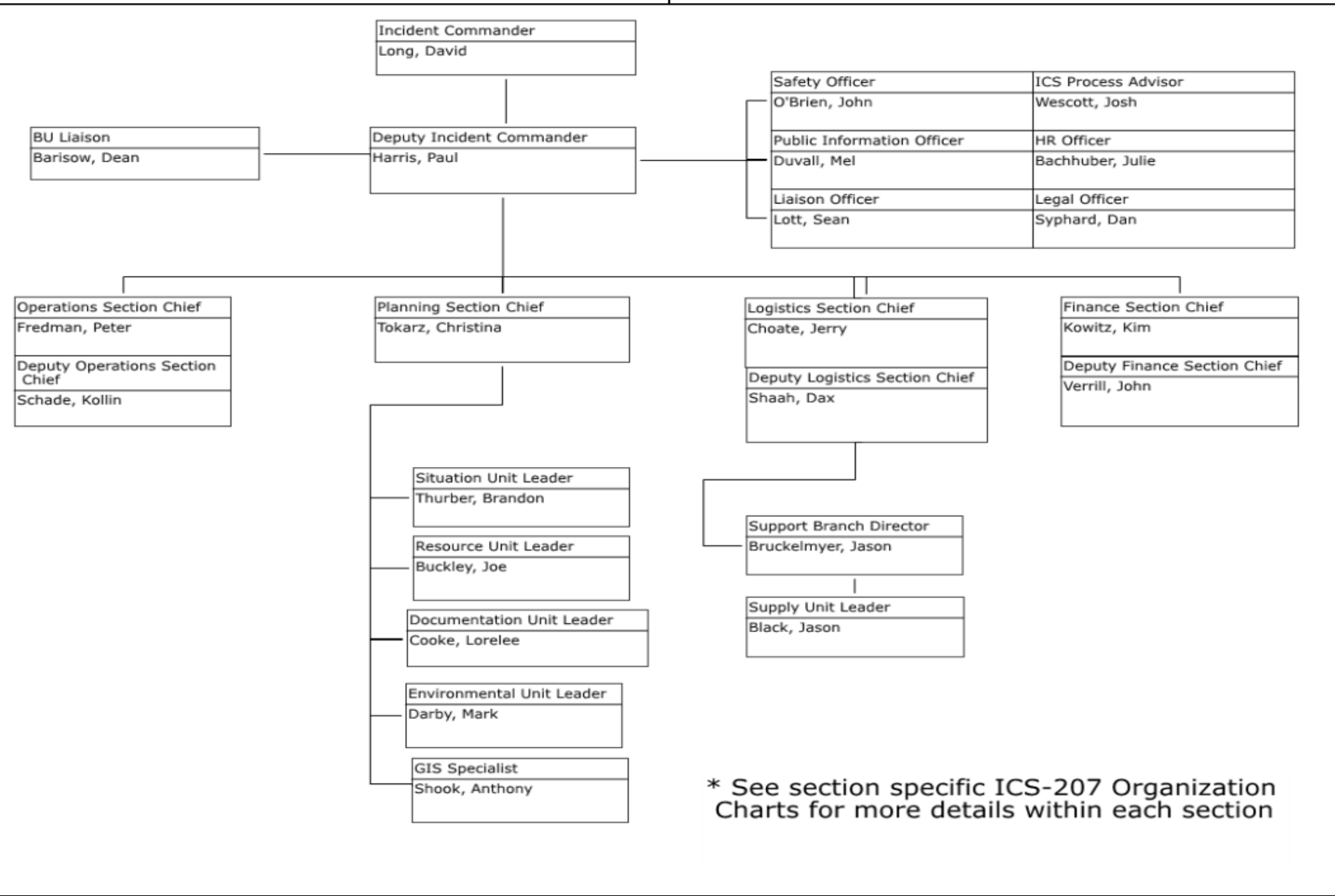
Essential St. Mary's ER - Duluth:
407 East 3rd Street
Duluth, MN
218-786-4000

HF Serious Exposures:

Essential St. Mary's Hospital ER - Duluth:
407 East 3rd Street
Duluth, MN
218-786-4000

Serious Thermal or Chemical Burns

Essentia Miller-Dwan Burn Center
502 E. Second Street, First Floor
Duluth, MN
(218) 786-2815



* See section specific ICS-207 Organization Charts for more details within each section

ICS 207 - Organization Chart

Version Name: Period 7 - Operations

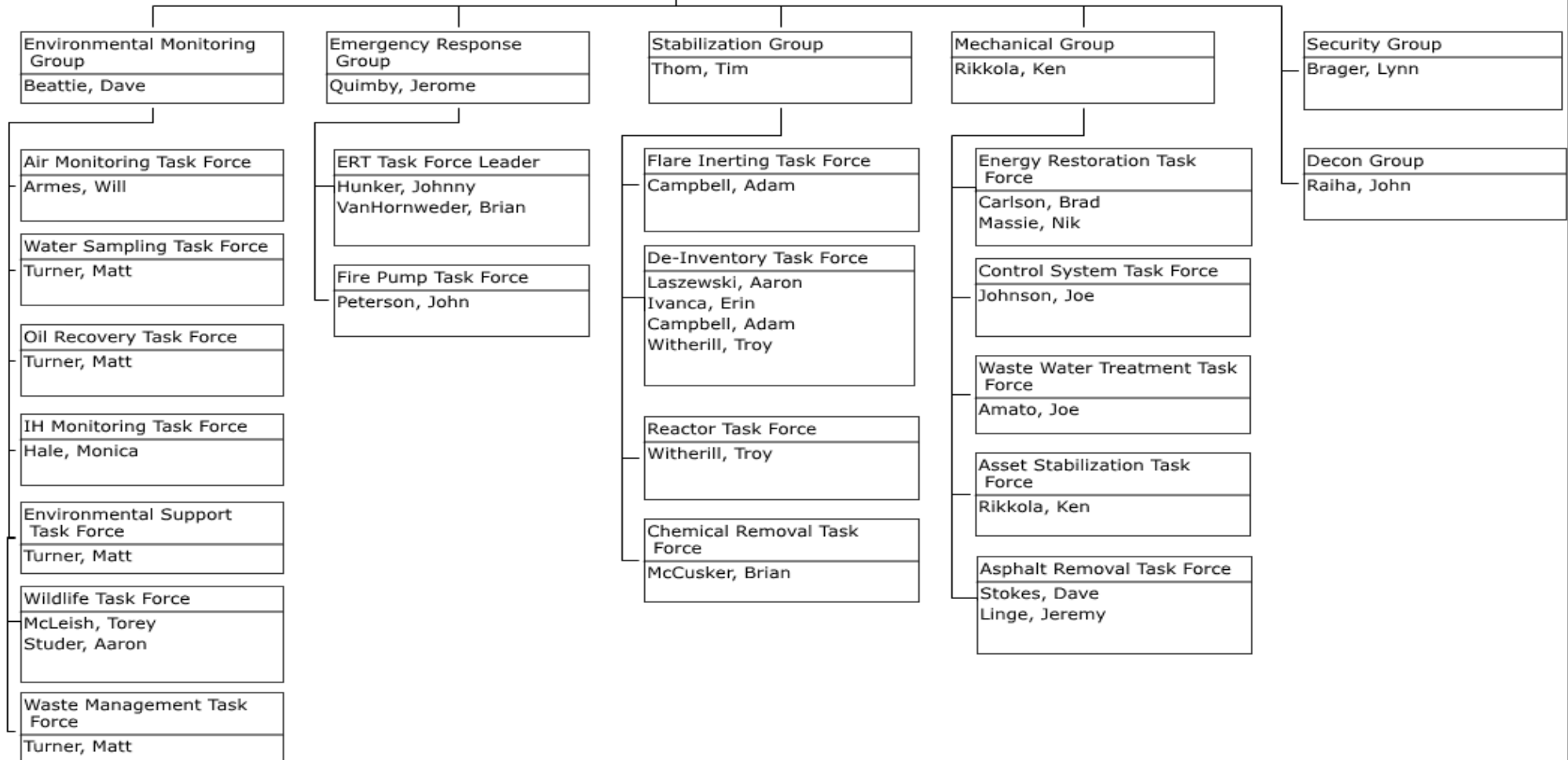
Incident Name: 2018 Superior Refinery Fire

Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]

Operations Section Chief
Fredman, Peter

I

Deputy Operations Section Chief
Schade, Kollin



ICS 208 - Site Safety Plan					Version Name: Refinery Site				
Incident Name: 2018 Superior Refinery Fire					Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]				
Applies to Site: Superior Refinery									
Site Characterization									
Water		Land		Weather		Sunny			
Wave Height		Land Use		Air Temp		23.1 Fahrenheit			
Speed				Wind Speed		17 mph			
Direction				Direction		NW			
Site Hazards									
Yes	No	Hazards	Yes	No	Hazards	Yes	No	Hazards	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boat Safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire, Explosion, In-situ Burning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pump Hose	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chemical Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Heat Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Slips, Trips, and Falls	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cold Stress	<input type="checkbox"/>	<input type="checkbox"/>	Helicopter Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Steam and Hot Water	
<input type="checkbox"/>	<input type="checkbox"/>	Confined Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lifting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Trenching/Excavation	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Drum Handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Motor Vehicles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UV Radiation	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Equipment Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Visibility	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Electrical Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhead/Buried Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Weather	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plants/Wildlife	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Work Near Water	
Air Monitoring Limits									
Oxygen Level		19.5 to 22.5%	Benzene		1 PPM	Carbon Moxide		35 PPM	
LEL		5%	Total Hydrocarbons		500 PPM	Hydroflouric Acid		3 PPM	
Hydrogen Sulfide		10 PPM	Asbestos		0.1 Fiber per cc	Sulfur Dioxide		2 PPM	
Engineering Controls									
<input type="checkbox"/>	Source of release secured		<input type="checkbox"/>	Valve(s) closed		<input type="checkbox"/>	Energy sources locked/tagged out		
<input type="checkbox"/>	Site secured		<input checked="" type="checkbox"/>	Facility shut down					
Personal Protective Equipment Required									
<input type="checkbox"/>	Impervious suit		<input checked="" type="checkbox"/>	Hard hats		<input checked="" type="checkbox"/>	Boots		
<input type="checkbox"/>	Inner gloves		<input checked="" type="checkbox"/>	Respirators		<input checked="" type="checkbox"/>	Bunker Gear		
<input checked="" type="checkbox"/>	Outer gloves		<input checked="" type="checkbox"/>	Eye protection		<input checked="" type="checkbox"/>	ERT SCBA		
<input checked="" type="checkbox"/>	Flame resistant clothing		<input checked="" type="checkbox"/>	Personal flotation					
Additional Control Measures Established									
<input checked="" type="checkbox"/>	Decontamination		<input checked="" type="checkbox"/>	Illumination		<input type="checkbox"/>	Additional stations established		
<input type="checkbox"/>	Sanitation		<input type="checkbox"/>	Medical surveillance		<input type="checkbox"/>	Facilities provided		
Work Plan									
<input checked="" type="checkbox"/>	Booming		<input type="checkbox"/>	Excavation		<input type="checkbox"/>	Hot work		
<input type="checkbox"/>	Skimming		<input checked="" type="checkbox"/>	Heavy equipment		<input checked="" type="checkbox"/>	Appropriate permits used		
<input checked="" type="checkbox"/>	Vac trucks		<input checked="" type="checkbox"/>	Sorbent pads					
<input checked="" type="checkbox"/>	Pumping		<input checked="" type="checkbox"/>	Patching					
Training									
<input type="checkbox"/>	Verified site workers trained per local/federal regulatory requirements			Training Requirements					
ICS 208 - Site Safety Plan					Prepared By O'Brien, John, Updated 05/06/2018 13:24 UTC -6:00 PP				
INCIDENT ACTION PLAN SOFTWARE™		Printed 05/08/2018 16:35 UTC -6:00			Page 58 of 59			© TRG	

ICS 208 - Site Safety Plan				Version Name: Refinery Site			
Incident Name: 2018 Superior Refinery Fire				Period: Period 7 [05/09/2018 06:00 - 05/11/2018 06:00]			
Organization							
Position		Name	Telephone/Radio	Position		Name	Telephone/Radio
Incident Commander		Goedde, Ed	235-453-7419	Safety Officer		O'Brien, John	218-390-4367
Deputy Incident Commander		Logsdon, Paul	419-235-7189	Operations Section Chief		Fredman, Peter	320-288-6161
Emergency Plan							
<input checked="" type="checkbox"/>	Fire Prevention Plan		<input checked="" type="checkbox"/>	Evacuation Plan			
<input checked="" type="checkbox"/>	Alarm System		<input checked="" type="checkbox"/>	First Aid Location			
Notifications							
Facility			Phone	Facility		Phone	
<input checked="" type="checkbox"/>	Hospital	Essential St. Mary's Hospital	218-786-4000	<input checked="" type="checkbox"/>	Fire	Superior Fire Department	911
<input checked="" type="checkbox"/>	Ambulance	Gold Cross	911	<input checked="" type="checkbox"/>	Law Enforcement	Superior Police Department	911
<input type="checkbox"/>	Air Ambulance			<input checked="" type="checkbox"/>	Emergency Response/Rescue	ERT	Radio
Initial Briefing							
<input checked="" type="checkbox"/>	Initial safety briefing prepared for each site						
Attachments/Appendices							
Attachment			Filename				
SDSs are available on the Refinery Intranet..rtf			SDSs are available on the Refinery Intranet..rtf				
ICS 208 - Site Safety Plan						Prepared By O'Brien, John, Updated 05/06/2018 13:24 UTC -6:00 PP	
INCIDENT ACTION PLAN SOFTWARE™		Printed 05/08/2018 16:35 UTC -6:00		Page 59 of 59		© TRG	